



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/874,414	06/05/2001	Paul R. Simons	GB 000069	5626

24737 7590 07/09/2003

PHILIPS INTELLECTUAL PROPERTY & STANDARDS
P.O. BOX 3001
BRIARCLIFF MANOR, NY 10510

EXAMINER

CAO, HUEDUNG X

ART UNIT	PAPER NUMBER
----------	--------------

2671

DATE MAILED: 07/09/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

541

Office Action Summary

Application No.

09/874,414

Applicant(s)

SIMONS, PAUL R.

Examiner

Huedung X Cao

Art Unit

2671

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 January 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3 and 4. 6) ☐ Other:

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Van Wieringen (US 6,326,971 B1).

As per claim 1, method for generating and coding for transmission an animated graphic image, comprising the steps of:

composing a first frame of the image from a plurality of component objects from a predetermined set of object types, the composition including scaling and location of each object (Van Wieringen, col. 14, line 64-col. 15, line 10; col. 16, lines 11-30) within a fixed coordinate set image field which Van Wieringer does not explicitly disclose. However, Van Wieringen's diagram which shows a movement along the positions, y, and z (Van Wieringen, col. 4, line 31-65) analogous to Applicant's claimed language. It would have been obvious to one of ordinary skill in the art at the time the invention was made to use fixed coordinate set image because such coordinate set image will define a specific movement as the transition from a specific position x to a specific position y and position z.

coding the first frame as an ordered rendering list of the component objects, the rendering list identifying the order in which the component objects are to be rendered on regeneration of the image (Van Wieringen, col. 25, lines 55-61);

sequentially coding each subsequent frame (n) as a number of data words representing the difference between that frame (n) and the previous frame (n-1) (Van Wieringen, col. 15, lines 34-42).

Claim 2 adds into claim 1, wherein the data words coding each subsequent frame (n) identify new component objects to be added or component objects from the previous frame (n-1) to be moved, transformed or removed (Van Wieringen, col. 15, lines 1-9).

Claim 3 adds into claim 1, further comprising the step of defining a shape as a plurality of component objects, wherein the definition of the shape is transmitted with the animated graphic image and wherein references to the shape in the animated graphic image are replaced with the component objects when generated (Van Wieringen, col. 20, lines 39-46).

Claim 4 adds into claim 1, further comprising the step of defining an object shape in a bit map for at least one component object in the composed frame (Van Wieringen, col. 20, lines 39-46).

Claim 5 adds into claim 1, wherein the data words include selected ones of place object, place shape, move absolute, move relative, resize and remove(Van Wieringen, col. 20, lines; col. 20, line 60-col. 21, line 19) .

Art Unit: 2671

Claim 6 adds into claim 1, wherein the data words specify a motion vector identifying a movement pattern for a respective object from which the object position in a subsequent frame may be determined (Van Wieringen, col. 8, lines 16-31;).

Claim 7 adds into claim 1, a portable communications apparatus configured to receive and decode animated graphics images generated and coded, the apparatus comprising: a display device coupled with a display driver system arranged to format images for display; a processor arranged to reconstruct the coded image; a receiver coupled with said display driver, being configured to receive the coded image data and pass it to the processor; first storage means containing said object and animation identifier codes, and second storage means for storing reconstructed image frames; wherein the processor is arranged to reconstruct individual frames of the animation by identifying and reconstructing objects from object identifier codes and by applying animation transforms to objects from previous frames in dependence on animation codes (Van Wieringer, figure 5; and col. 15, lines 29-42; col. 16, lines 11-31).

Claim 8 adds into claim 7, wherein the display driver system includes the processor, the first storage means and the second storage means (Van Wieringer, figure 5, processor 23; and col. 2, lines 54-56; col. 2, lines 22-24).

Claim 9 adds into claim 7, wherein the display driver system is a vector graphics system (Van Wieringer, col. 20, lines 22-27).

Art Unit: 2671

Inquires

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Huedung Cao** whose telephone number is **(703) 308-5024**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Mark Zimmerman**, can be reached at **(703) 305-9798**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 305-0377.

Huedung Cao
Patent Examiner



MARK ZIMMERMAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600